

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-01 09:32:05
Date of Next Testing: 2027-08-01 09:32:05
Product Name: **Piperacillin Sodium**
CAS Number: 59703-84-3
Specifications & Purity: $\geq 98\%$ (N)
Lot #: G2525079
SKU #: **P129602**
Version: **0**
Analysis #: **550111**
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(with Total Nitrogen)(anhydrous)	98-100 (%)	99.64%
Purity(HPLC)	95-100 (%)	98.00100%
Specific Rotation [a] ₂₀ /D(c=0.8 in H ₂ O)(calcd.on anh.substance)	170-190 (°)	184.29°
Water by Karl Fischer	0-5 (%)	1.45%
Appearance (P129602)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager